

Dive Transcript
Starboard Observer
R. Lutz

Dive 4201 June 25, 2006

Pilot- Bruce Stickrott; port observer- Marv Lilley; starboard observer: Rich Lutz

Took scans with ECHEM during Alvin's descent to bottom. ...started scans at approximately 700 m below the surface and ran scans 1-161...(File Body Name was 4201 and I may have changed it during course of scans to 420 1A) alternating between electrodes 1 and 2 scans showed peaks in sulfide peaks less pronounced as proceeded through dive (see below)

1605:42 on bottom at edge of collapse (X: 4285; Y: 78857) flow had dusting of sediment

1607 No ground detector Bruce will try and trouble shoot problem

1634.37 Finished running scans 162-171 with ECHEM while sitting on the bottom

We remained on the bottom, unsuccessfully trouble shooting the ground detector problem until surfacing at about 1750 GMT (1 :30 was the time on the ECHEM computer)

At 1752 GMT after leaving the bottom, I started running a series of ECHEM scans as we ascended the following represents a summary of the scans run (used time on the computer 1752 GMT = 1:52 time on computer, which is given below

Computer Time	Depth	Scan #' s	Electrode
1:52	2187m	1-5	2
1:56	2055	6-10	1
1:57	2035	11-15	1
1:59	2000	16-21	2
2:00	1970	22-27	2
2:02	1918	28-32	2
2:04	1852	33-37	2
2:08	1763	38-42	2
2:10	1712	43-47	2
2:12	1665	48-52	2
2:14	1615	53-57	1
2:16	1563	58	bad scan???
2:17	1540	59-64	2
2:19	1478	65-69	2
2:22	1396	70-74	2
2:28	1257	75-79	2
2:37	1000	80-84	2

2:41	952	85-89	2
2:46	843	90-94	2
2:51	752	95-98	2
2:52	719	99-103	1
2:54	678	105	bad scan???
2:56	642	106-110	2
3:02	524	111-115	2
3:11	360	116-119	2
3:15	220	120-125	2